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RAW SEQUENCE LISTING

DATE: 04/30/2002

PATENT APPLICATION: US/10/027,038

TIME: 15:35:02

Input Set : A:\10-027038 Sequence Listing.txt

Output Set: N:\CRF3\04302002\J027038.raw

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4 <110> APPLICANT: Quirk, S.
6 <120> TITLE OF INVENTION: Modular peptide-based reagent
8 <130> FILE REFERENCE: 1443.026US1
10 <140> CURRENT APPLICATION NUMBER: US 10/027,038
11 <141> CURRENT FILING DATE: 2001-12-20
13 <160> NUMBER OF SEQ ID NOS: 34
15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 36
19 <212> TYPE: PRT
20 <213> ORGANISM: Meleagris gallopavo
22 <400> SEQUENCE: 1
23 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
24 1 5 10 15
25 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
26 20 25 30
27 Arg His Arg Tyr
28 35
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 36
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: A peptide backbone.
38 <400> SEQUENCE: 2
39 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
40 1 5 10 15
41 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Val Val Thr
42 20 25 30
43 Arg His Arg Tyr
44 35
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 37
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: A peptide backbone.
54 <400> SEQUENCE: 3
55 Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu
56 1 5 10 15
57 Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val
58 20 25 30
59 Thr Arg His Arg Tyr

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60          35
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 37
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: A peptide backbone.
70 <400> SEQUENCE: 4
71 Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu
72 1          5          10          15
73 Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Cys Val
74          20          25          30
75 Thr Arg His Arg Tyr
76          35
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 36
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: A peptide backbone.
86 <400> SEQUENCE: 5
87 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Ala Pro Val Glu Asp
88 1          5          10          15
89 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
90          20          25          30
91 Arg His Arg Tyr
92          35
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 36
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: A peptide backbone.
102 <400> SEQUENCE: 6
103 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Gly Pro Val Glu Asp
104 1          5          10          15
105 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
106          20          25          30
107 Arg His Arg Tyr
108          35
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 4
112 <212> TYPE: PRT
113 <213> ORGANISM: Meleagris gallopavo
115 <400> SEQUENCE: 7
116 Arg His Arg Tyr
117 1
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 34

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121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: A peptide backbone.
127 <400> SEQUENCE: 8
128 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
129 1 5 10 15
130 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
131 20 25 30
132 Ala Ala
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 37
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: A peptide backbone.
143 <400> SEQUENCE: 9
144 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
145 1 5 10 15
146 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
147 20 25 30
148 Arg His Arg Tyr Cys
149 35
151 <210> SEQ ID NO: 10
152 <211> LENGTH: 33
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: A peptide backbone.
159 <400> SEQUENCE: 10
160 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
161 1 5 10 15
162 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
163 20 25 30
164 Cys
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 36
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: A peptide backbone.
175 <400> SEQUENCE: 11
176 Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu
177 1 5 10 15
178 Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val
179 20 25 30
180 Thr Ala Ala Cys
181 35
183 <210> SEQ ID NO: 12

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RAW SEQUENCE LISTING DATE: 04/30/2002
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Input Set : A:\10-027038 Sequence Listing.txt
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184 <211> LENGTH: 111
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: A nucleotide sequence encoding SEQ ID NO:11.
191 <400> SEQUENCE: 12
192 atgtgcccga gccagccgac ctatccgggc gatcccgggc cggtggaaga tctgatccgc      60
193 ttttatgata acctgcagca gtggctgaac tgcgtgaccg ccgcctgcta g                111
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 132
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: A nucleotide sequence encoding SEQ ID NO:11.
203 <400> SEQUENCE: 13
204 acacaccata tgtgcccgag ccagccgacc tatccgggcg atcccgggcc ggtggaagat      60
205 ctgatccgct tttatgataa cctgcagcag tggctgaact gcgtgaccgc cgccctgctag      120
206 ggatccacac ac                132
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 35
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: A peptide backbone.
216 <400> SEQUENCE: 14
217 Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu Asp
218   1           5           10          15
219 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val Thr
220           20           25           30
221 Ala Ala Cys
222           35
224 <210> SEQ ID NO: 15
225 <211> LENGTH: 6
226 <212> TYPE: PRT
227 <213> ORGANISM: Bos taurus
229 <400> SEQUENCE: 15
230 Pro Tyr Arg Ile Arg Phe
231   1           5
233 <210> SEQ ID NO: 16
234 <211> LENGTH: 18
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: A portion of the recognition sequence from Bovine
240   Pancreatic Trypsin Inhibitor (PYRIRF, SEQ ID
241   NO:15) converted into this DNA sequence using E.
242   coli codon usage.
244 <400> SEQUENCE: 16
245 ccgtatcgca tccgcttt                18

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Input Set : A:\10-027038 Sequence Listing.txt
 Output Set: N:\CRF3\04302002\J027038.raw

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247 <210> SEQ ID NO: 17
248 <211> LENGTH: 30
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: SEQ ID NO:16 with flanking Sma I sites.
255 <400> SEQUENCE: 17
256 cccgggcccgt atcgcatccg ctttcccggg          30
258 <210> SEQ ID NO: 18
259 <211> LENGTH: 5
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: A peptide interactive domain.
266 <400> SEQUENCE: 18
267 Tyr Lys Leu Lys Tyr
268 1 5
270 <210> SEQ ID NO: 19
271 <211> LENGTH: 15
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: SEQ ID NO:18 converted into this DNA sequence.
278 <400> SEQUENCE: 19
279 tataaactga agtat          15
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 27
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: SEQ ID NO:19 with Sma I flanking sequences.
289 <400> SEQUENCE: 20
290 cccgggtata aactgaagta tcccggg          27
292 <210> SEQ ID NO: 21
293 <211> LENGTH: 41
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: A peptide-based reagent that combines the SEQ ID
299 NO:15 interactive domain with the SEQ ID NO:11
300 peptide backbone.
302 <400> SEQUENCE: 21
303 Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Pro Tyr Arg Ile Arg
304 1 5 10 15
305 Phe Gly Pro Val Glu Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln
306 20 25 30
307 Trp Leu Asn Cys Val Thr Ala Ala Cys
308 35 40
310 <210> SEQ ID NO: 22

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/027,038

DATE: 04/30/2002

TIME: 15:35:04

Input Set : A:\10-027038 Sequence Listing.txt

Output Set: N:\CRF3\04302002\J027038.raw